

EFFECT OF CUTTING PARAMETERS ON DUST EMISSION AND SURFACE ROUGHNESS DURING HELICAL PLANING RED OAK WOOD

B Ugolino, RE Hernández - [Wood and Fiber Science, 2017](#) - researchgate.net

Cutting parameters can influence the chip thickness and resulting dust emission and surface quality during wood machining. The purpose of this study was to evaluate the effect of cutting parameters on the airborne dust emission (0.1-15 µm) and surface roughness ...

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**Influence of milling and sanding on beech wood surface properties. Part I. Surface morphology**

J Küdela, L Javorek, L Mrenica - *Annals of Warsaw Agricultural ...*, 2016 - researchgate.net  
 This work investigates the influence of beech wood mechanical treatment on specific surface properties of this wood. The aim of this part has been to recognise milling and sanding-induced physical modifications of beech wood surface morphology assessed through ...

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**The influence of some factors on cutting force and surface roughness of wood after sanding**

L Javorek, J Küdela, J Svoreň, M KRAJČOVIČOVÁ - *Proligno*, 2015 - researchgate.net  
 This contribution presents results of an experimental research on sanding. With a sample of oak being the experimental material, sanding was carried out on radial, tangential and transversal surface of the piece. The impact force was changed on three levels (21 N, 41 N ...

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**THE INFLUENCE OF MILLING AND SANDING ON WOOD SURFACE MORPHOLOGY**

J Küdela, L Mrenica, L Javorek - *Acta Facultatis Xylogiae Zvolen nes ...*, 2018 - df.tuzvo.sk  
 The influence of milling and sanding on surface morphology of beech and spruce wood is investigated in the paper. Wood morphology was assessed through roughness and waviness parameters. The experimental results showed that the two wood surface ...

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**The influence of machining process on wood surface roughness**

H Çota, D Ajdinaj, B Habipi - *Albanian Journal of Agricultural ...*, 2017 - sites.google.com  
 In this research, the effect of different machining processes on wood surface roughness was studied. There were applied three main furniture manufacturing processes, respectively planing, routing and sanding. The sanding process was applied twice, respectively with ...

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**INFLUENCE OF PRESSING PARAMETERS ON SURFACE PROPERTIES OF COMPRESSED BEECH WOOD**

J Küdela, M Rešetka, P Rademacher... *WOOD ...*, 2017 - woodresearch.sk  
 The influence of press conditions on wood properties was studied on demilled beech wood. The pressing parameters affected the surface properties of wood specimens: hardness, roughness, and colour change. The effects and impacts varied among the individual ...

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